

AMENDED

Nº 44688

APPLICATION FOR PERMIT  
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... OCT 26 1981  
Returned to applicant for correction..... FEB 18 1982  
Corrected application filed..... MAR 30 1982  
Map filed..... MAR 30 1982 under 44687

The applicant M. E. Clingman  
155 East Second South, of Salt Lake City  
Street and No. or P.O. Box No. City or Town  
Utah, 84111, hereby make<sup>s</sup> application for permission to appropriate the public  
State and Zip Code No.  
waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-  
tion; if a copartnership or association, give names of members.)

1. The source of the proposed appropriation is Underground  
Name of stream, lake, spring, underground or other source
2. The amount of water applied for is 0.9 cfs second-foot  
One second-foot equals 448.83 gals. per min.  
(a) If stored in reservoir give number of acre-feet
3. The water to be used for Geothermal Heating -- Commercial  
Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.
4. If use is for:  
(a) Irrigation, state number of acres to be irrigated:  
(b) Stockwater, state number and kinds of animals to be watered:  
(c) Other use (describe fully under "No. 12. Remarks")  
(d) Power:  
(1) Horsepower developed  
(2) Point of return of water to stream
5. The water is to be diverted from its source at the following point: in the Lot 3 Section 1 T.35N.,  
Describe as being within a 40-acre subdivision of public  
R.67E., M.D.B.&M., or at a point from which the SE corner of Section 35, T.36N.,  
survey, and by course and distance to a section corner. If on unsurveyed land, it should be so stated.  
R.67E., M.D.B.&M., bears N. 18°00' E. a distance of 1000 feet.
6. Place of use Section 1, T.35N., R.67E. M.D.B.&M. Section 35, T.36N., R.67E.,  
Describe by legal subdivision. If on unsurveyed land, it should be so stated.  
M.D.B.&M.
7. Use will begin about January 1 and end about December 31, of each year.  
Month and Day Month and Day
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and  
specifications of your diversion or storage works.) well, pump, pipe lines to places of use.  
State manner in which water is to be diverted, i.e. diversion structure, ditches and  
flumes, drilled well with pump and motor, etc.
9. Estimated cost of works \$75,000.

10. Estimated time required to construct works.....3 years  
If well completed, describe works.
11. Estimated time required to complete the application of water to beneficial use.....5 years
12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.  
Use will be non-consumptive. A re-injection system or closed loop system  
will be used for heat extraction.

By s/Ernest E. Muller, Sr.  
Ernest E. Muller, Sr., SWRS 273  
750 W. Pueblo St., Reno, Nv., 89509

Compared bc/js pm/se

Protested 6/9/82 by David Eddy; 6/14/82 by George R. E. Boucher  
Pro. overruled 1/26/89  
Ruling No. 3573

APPROVAL OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.

The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used

(CONTINUED ON PAGE 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed 0.9 cubic feet per second.

- Work must be prosecuted with reasonable diligence and be completed on or before February 16, 1992
- Proof of completion of work shall be filed before March 16, 1992
- Application of water to beneficial use shall be made on or before February 16, 1994
- Proof of the application of water to beneficial use shall be filed on or before March 16, 1994
- Map in support of proof of beneficial use shall be filed on or before N/A

Completion of work filed IN TESTIMONY WHEREOF, I PETER G. MORROS  
State Engineer of Nevada, have hereunto set my hand and the seal of

Proof of beneficial use filed my office, this 16th day of February

Cultural map filed A.D. 19 89

Certificate No. Issued

State Engineer

218 (Rev.)  
JUN 5 - 1992  
BECAUSE OF FAILURE  
OF APPLICANT TO COMPLY WITH THE PROVISIONS OF PERMIT  
Michael J. Cunningham P.E.  
STATE ENGINEER

## (PERMIT TERMS CONTINUED)

geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 651.57 acre-feet per year but the total consumptive use of the geothermal fluid is limited to only incidental fluid losses in the system and in no case shall it amount to more than 10% of the volume withdrawn annually. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto.

This Permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.